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DORKING URBAN DISTRICT
COUNCIL.

ANNUAL REPORT

OF THE

Medical Officer of Health

For the Year 1940.

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DORKING URBAN DISTRICT
COUNCIL.

STAFF OF THE PUBLIC HEALTH DEPARTMENT.

Medical Officer of Health:

Cyrus Ive, M.B.,B.S.(Lond.),M.R.C.S.(Eng),L.R.C.P.(Lond),
D.P.H.

Senior Sanitary Inspector:

D. Allan, M.S.I.A.,A.R.San.I.,
Certificated Inspector of Meat and Other Foods.

Additional Sanitary Inspector:
+ N.G. Tubb, M.S.I.A.,A.R.San.I.,
Certificated Inspector of Meat and Other Foods.

Clerical Staff.

Ø K.G. Bewick, M.R.San.I.,M.S.I.A., ⊔ C.H.Argent.

+P. Hunt and Miss B.Birdseye.=
Clerical Assistants to Medical Officer of Health.

e D.S. Bates. Miss S.D.Sparrow ⊥
Clerk to Sanitary Inspector.

(The Medical Officer of Health and his clerical assistants act in a similar capacity for the Borough of Epsom and Ewell, the Urban District of Leatherhead and the Rural District of Dorking and Horley.)

+ Mobilised 1.9.1939.
Ø H.M. Forces 10.6.1940.
⊔ Commenced duties 10.6.1940.
+ H.M. Forces 1.9.1939.
= Commenced duties 13.9.1939.
e H.M. Forces 28.6.1940.
⊥ Commenced duties July 1940.

DORKING URBAN DISTRICT.
1940.

1 Statistics and Social conditions for the Area.

Survey

Area (Acres)	9,511.
Population (Census 1931)	15,204.
Populations (Estimated mid-year ,)	
(a) for calculation of Birth-Rate.....	20,510.
(b) for calculation of Death rate and incidence of notifiable diseases.....	20,510.

Extracts from Vital Statistics for the year.

Live births for the calculation of Birth rates:-

	Total	M.	F.	
	265	138	127	Birth Rate per 1,000 of the estimated resident population. 12.9
Legitimate	253	132	121	
Illegitimate	12	6	6	

Live births for the calculation of Infant & Maternal Mortality rate:-

	Total	M.	F.
	295	158	137
Legitimate	282	152	130
Illegitimate	13	6	7

Still Births	Total	M.	F.	
	13	6	7	Rate per 1,000 total live and still births. 46.7
Legitimate	13	6	7	
Illegitimate	-	-	-	

Deaths (net) 280 132 148 Crude death rate 13.6
Adjusted death rate 11.7

Deaths of infants under 1 year of age:-

	Total	M.	F.
	11	6	5
Legitimate	11	6	5
Illegitimate	-	-	-

Death Rate of all infants per 1,000 live births..... 37.3

Death Rate of Legitimate infants per 1,000 legitimate live births.... 39.00

Death Rate of Illegitimate infants per 1,000 illegitimate live births.... 0.00

Deaths from Puerperal Causes:-

	Deaths	Rate per 1,000 total (live and still) births.
Puerperal Sepsis	Nil	0.00
Other Puerperal Causes	Nil	

Statistics and Social Conditions of the Area. (Continued)

Deaths from:-

Measles (all ages)	Nil
Whooping Cough (all ages) ...	Nil
Diarrhoea (under two years of age)	Nil
Cancer (all ages)	30

2. General Provisions of Health Services for the Area.

No alterations of note have occurred during the year.

Laboratory Facilities.

During the year 1940 the number of laboratory examinations made was as follows:-

For the diagnosis of Diphtheria	54
" " " " Tuberculosis	22
" " " " Enteric Fever	17
" " " " Haemolytic Streptococci	19
	112

3. Sanitary Circumstances of the Area.

No alterations of note have occurred during the year.

Sanitary Inspection of the Area.

I am indebted to Mr. Donald Allan, M.S.I.A., A.R.San.I., senior Sanitary Inspector, for the following summary of the work of his department during the year:-

Inspections and re-inspections under Housing and Public Health Acts, etc.-

Total number of inspections made 1588

Complaints in respect of 125 premises were received and dealt with during the year.

SHOPS ACT, 1934.

During the year 36 inspections of shops were carried out, and in two cases it was found that water closets had been provided as the result of preliminary notices served in the previous year.

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4. Housing.

1. Inspection of Dwelling-houses during the year:-

1.(a) Total number of dwelling-houses inspected for housing defects (under Public Health or Housing Acts) 245

(b) Number of inspections made for the purpose ... 703

2.(a) Number of dwelling-houses (included under Sub-head (1) above which were inspected and recorded under the Housing Consolidated Regulations 1925 ... 26

(b) Number of inspections made for the purpose ... 76

3. Number of dwelling-houses found to be in a state so dangerous, or injurious to health as to be unfit for human habitation ... ... Nil

4. Number of dwelling houses (exclusive of those referred to under the preceding sub-head) found not to be in all respects reasonably fit for human habitation 140

2. Remedy of Defects during the year without Service of formal Notices:-

Number of defective dwelling-houses rendered fit in consequence of informal action by the local authority or their officers 120

3. Action under Statutory Powers during the year:-

(a) Proceedings under Sections 9, 10 and 16 of the Housing Act, 1936:-

(1) Number of dwelling-houses in respect of which notices were served requiring repairs 7

(2) Number of dwelling-houses which were rendered fit after service of formal notices

(a) By owners 2
(b) By Local Authority in default of owners ... ... -

(b) Proceedings under Public Health Acts:-

(1) Number of dwelling-houses in respect of which notices were served requiring defects to be remedied 5

(2) Number of dwelling-houses in which defects were remedied after service of formal notices:-

(a) By owners 3
(b) By Local Authority in default of owners ... ... -

(c) Proceedings under Sections 11 and 13 of the Housing Act, 1936:-

(1) Number of dwelling-houses in respect of which Demolition Orders were made. Nil

(2) Number of dwelling-houses demolished in pursuance of Demolition Orders. Nil

(d) Proceedings under Section 12 of the Housing Act 1936:-

(1) Number of separate tenements or underground rooms in respect of which Closing Orders were made. 1

(2) Number of separate tenements or underground rooms in respect of which Closing Orders were determined, the tenement or room having been rendered fit. Nil

4. Housing Act, 1936 - Part IV - Overcrowding:-

Owing to the fact that Dorking is a reception area, and that in addition to the people officially billeted there are a great number of other evacuees in the district, it is impossible to estimate the position, except to say that overcrowding exists to a very large extent. After the war it will no doubt take many years to remedy the situation which has arisen.

5 - INSPECTION AND SUPERVISION OF FOOD.

(a) Milk

On the register of retail purveyors of milk, there are 27 premises within the Dorking Urban District boundaries, and 13 outside.

19 persons are registered as cowkeepers and wholesale purveyors.

DESIGNATED MILK SUPPLY.

The following licences for the sale of designated milk, granted by the Dorking Urban District Council, were in operation during the year:-

Dealer's Licence to sell "Tuberculin Tested" milk	1
Dealer's Licence to sell "Pasteurised" milk	1
Supplementary Licence to sell "Tuberculin Tested" milk	4
Supplementary Licence to sell "Accredited" milk	1
Supplementary Licence to sell "Pasteurised" milk	2

(b) Meat.

280 visits to slaughterhouses and 305 visits to butchers shops were made for the purpose of meat inspection.

As the result of the post-mortem examination of animals killed for human food in this District during the year 1940, 22 tons 9 cwts. 1 qr. 16¾ lbs. of meat and edible offal were rejected as unfit for human consumption.

(c) Other Foods.

In addition to the meat found to be unfit at the Slaughterhouse, the following foodstuffs, on inspection, were found to be unfit for human consumption:-

	lbs.
Bacon.	1838½
Sausages.	100
Corned Beef.	66
Brawn.	6½
Ox Tongue.	13
Cooked Ham.	1⅞
Cooked Gammon.	18½
Imported Beef.	68
Imported Mutton.	88
Imported Liver.	2½
Beef Roll.	30¼
Ham and Beef Roll.	1½
Pork.	70
Corned Pork.	85¾
Baked Beans.	14
Galantine.	2⅝
Tinned Pineapples.	2
Tinned Peaches.	2½
Tinned Fruit Salad.	1
Tinned Salmon.	9
Tinned Grapefruit.	½
Tinned Milk.	21¾
Jam.	15½
English Beef	269
English Mutton.	4
Sausages with Beans.	8
Pork Pies.	6
Grosvenor Pies.	12⅝
Mackerel.	42
Dog Fish	63
Skate.	7
Tinned mutton	1

	Tins.
Peas	46

	Number.
Derby Pies	6
Steak Pies	12
Pork Pies	48

DISINFECTION.

Seventeen premises were disinfected, fourteen after the occurrence of notifiable infectious disease, and three for other purposes.

In addition, arrangements were made for the disinfection of bedding and personal clothing of 61 persons, 18 being cases of scabies, 37 pediculosis, 4 eczema of the head, while the other two were dealt with as a private works charge.

FACTORIES, WORKSHOPS AND WORKPLACES.

1. INSPECTIONS FOR PURPOSES OF PROVISIONS AS TO HEALTH.

INCLUDING INSPECTIONS MADE BY SANITARY INSPECTORS.

Premises. (1)	Number of Inspections. (2)	Number of Written Notices (3)	Number of Occupiers prosecuted (4)
Factories (with mechanical power)	4	-	-
Factories (without mechanical power)	49	-	-
+ Other Premises under the Act .. (Including works of building and engineering construction but not including outworkers' premises)	-	-	-
+ Electrical Stations should be reckoned as factories.	53	-	-

(2) DEFECTS FOUND.

Particulars. (1)	Number of Defects: Found. (2)	Number of Defects: Remedied. (3)	Number of Defects: Referred to H.M. Inspector. (4)	Number of defects in respect of which Prosecutions were instituted. (5)
Want of cleanliness (S.1)	-	-	-	-
Overcrowding (S.2) ..	-	-	-	-
Unreasonable temperature (S.3) ..	-	-	-	-
Inadequate ventilation (S.4)	-	-	-	-
Ineffective drainage of floors (S.6) ..	-	-	-	-
Sanitary Conveniences (S.7) -				
Insufficient	1	1	-	-
Unsuitable or defective.	-	-	-	-
Not separate for sexes.	-	-	-	-
Other offences - .. (Not including offences relating to Home Work or offences under the Sections mentioned in the Schedule to the Ministry of Health (Factories and Workshops Transfer of Powers) Order, 1921, and re-enacted in the Third Schedule to the Factories Act, 1937.)	-	-	-	-
Total.	1	1	-	-

(3) OUTWORK IN UNWHOLESOME PREMISES.
(Section 108 of Act of 1901; Section III of Act of 1937)

No action was necessary.

6 - PREVALENCE OF, AND CONTROL OVER, INFECTIOUS DISEASE.

Table V shows the total of the various infectious diseases, notified during 1940, classified according to age, together with the number of cases removed to Hospital and the total deaths from each disease.

Smallpox.

No case of smallpox was notified during the year. No primary vaccination or re-vaccination was performed by the Medical Officer of Health under the Public Health (Smallpox) Prevention Regulations, 1917.

Scarlet Fever.

Sixteen notifications of Scarlet Fever were received compared with forty-two for 1939. The case-rate was 0.78 per thousand population compared with 1.63 for England and Wales as a whole. All patients were admitted to the Council's Isolation Hospital for treatment. Two other cases were also admitted to hospital for treatment but the diagnosis was not confirmed.

Diphtheria.

Three cases of Diphtheria were notified as against four in 1939, giving a case-rate of 0.15 per thousand population, compared with the rate for England and Wales of 1.16. All patients were removed to the Council's Isolation Hospital for treatment. In four other cases patients were also admitted to hospital suspected of suffering from Diphtheria, but the diagnosis was not confirmed.

Diphtheria Immunisation.

One hundred and twenty-four children completed their course of treatment during the year.

Erysipelas.

Three notifications of this disease were received.

Puerperal Pyrexia.

Five notifications of this condition were received, giving a case-rate per thousand total births of 16.13 compared with the rate for England and Wales of 11.96.

The Surrey County Council is the authority for Maternity and Child Welfare and in its scheme provides for any necessary institutional treatment, or for the obtaining of consultant's opinion, or of bacteriological examinations required for cases of puerperal pyrexia.

Pneumonia.

Eighteen notifications in respect of Pneumonia were received.

Enteric Fever.

Two cases were notified during the year which were admitted to isolation hospital for treatment.

TUBERCULOSIS.

Particulars of new cases of tuberculosis which came to the notice of the Medical Officer of Health during the year are set out in the following Table together with an analysis of the deaths in the area from this disease during the same period. The new cases include, in addition to those officially notified, eight patients who came into the district from other areas in which they had already been notified.

The six deaths from pulmonary tuberculosis represent an annual death rate of 0.29 per thousand of the population. Two deaths were caused by non-pulmonary tuberculosis, the death rate for this condition being 0.10. The total tuberculosis death rate per thousand population is therefore 0.39.

No action was taken under the Public Health (Prevention of Tuberculosis) Regulation, 1925, nor under Section 172 of the Public Health Act, 1936.

Age Period	New Cases				Deaths			
	Pulmonary.		Non-pulmonary.		Pulmonary.		Non-pulmonary	
	M.	F.	M.	F.	M.	F.	M.	F.
Under 1	-	-	-	-	-	-	-	-
1 to 5	-	-	2	-	-	-	1	-
5 to 10	1	-	2	1	-	-	-	-
10 to 15	-	-	-	1	-	-	-	-
15 to 20	-	2	1	1	-	-	-	-
20 to 25	1	3	-	1	1	-	-	1
25 to 35	3	2	-	1	-	-	-	-
35 to 45	1	-	1	-	-	-	-	-
45 to 55	1	-	-	-	1	-	-	-
55 to 65	-	-	-	-	1	1	-	-
65 and upwards.	1	1	-	-	2	-	-	-
Totals.	8	8	6	5	5	1	1	1

TABLE 1.

COMPARATIVE BIRTH, DEATH AND INFANT MORTALITY RATES.

Period.	Average Annual Birth Rate per 1,000 living. (Annual Rate 1940)		Average Annual Crude Death Rate per 1,000. (Annual Rate 1940)		Average Annual Infant Mortality Rate θ (Annual Rate 1940)	
	England & Wales	Dorking U.D.	England & Wales	Dorking U.D.	England & Wales	Dorking U.D.
1881-1890	32.4	26.8	19.1	14.9	142	82
1891-1900	29.9	22.1	18.2	14.4	153	92
1901-1910	27.2	21.6	15.4	14.2	128	86
1911-1920	21.8	16.5	14.4 +	13.2	100	70
1921-1930	18.3	16.0	12.1	13.0	72	46
1931-1940	14.9	14.4	12.2	12.2	58	31
1940	14.6	12.9	14.3	13.6(11.7)	55	37

θ i.e. Deaths of children under one year of age per 1,000 births.

+ Including civilian mortality only from 1915-1920.

The death rate figures in parentheses have been adjusted by the "areal comparability factor."

Table 11

CAUSES OF DEATH IN THE

DORKING URBAN DISTRICT.

Causes of Death.	M.	F.	Total.
1. Typhoid and Paratyphoid Fevers ..	-	-	-
2. Cerebro-spinal Fever	-	-	-
3. Scarlet Fever	-	-	-
4. Whooping Cough	-	-	-
5. Diphtheria	-	-	-
6. Tuberculosis of Respiratory System	5	1	6
7. Other forms of Tuberculosis ..	1	1	2
8. Syphilitic Disease	-	-	-
9. Influenza	9	3	12
10. Measles	-	-	-
11. Acute Poliomyelitis and Polioencephalitis	-	-	-
12. Acute Infectious Encephalitis ..	-	-	-
13.m Cancer of Buccal Cavity and Oesophagus (males)	2	-	2
13.f Cancer of Uterus	-	1	1
14. Cancer of Stomach and Duodenum ..	4	2	6
15. Cancer of Breast	-	3	3
16. Cancer of all other Sites ..	5	13	18
17. Diabetes	-	3	3
18. Intra-cranial Vascular Lesions ..	21	21	42
19. Heart Disease	25	28	53
20. Other Diseases of the Circulatory System	7	5	12
21. Bronchitis	9	9	18
22. Pneumonia	10	14	24
23. Other Respiratory Diseases ..	1	-	1
24. Ulceration of the Stomach or Duodenum	5	-	5
25. Diarrhoea (under 2 years of age)	-	-	-
26. Appendicitis.	1	-	1
27. Other Digestive Diseases ..	2	4	6
28. Nephritis	4	5	9
29. Puerperal and Post-abortive Sepsis	-	-	-
30. Other Maternal Causes	-	-	-
31. Premature Birth	-	1	1
32. Congenital Malformations, Birth Injury, Infantile Disease ..	3	1	4
33. Suicide	1	1	2
34. Road Traffic Accidents	3	-	3
35. Other Violent Causes	6	8	14
36. All Other Causes	14	18	32
	132	148	280

Table 111.

BIRTH-RATES, AND ANALYSIS OF MORTALITY DURING THE YEAR.

DISTRICTS	Rate per 1,000 total population		Annual Death Rate per 1,000 population								Rate per 1,000 live Births.	
	LIVE BIRTHS	STILL BIRTHS	ALL CAUSES +	Typhoid and Paratyphoid Fevers.	Smallpox	Measles	Scarlet Fever	Whooping Cough	Diphtheria	Influenza	Diarrhoea and Enteritis (under two years)	Total Deaths under 1 year
England & Wales	14.6	0.55	14.3	0.00	0.00	0.02	0.00	0.02	0.06	0.32	4.6	55.0
Dorking Urban District	12.91	0.63	11.7	0.00	0.00	0.00	0.00	0.00	0.00	0.59	0.00	37.28
Borough of Epsom & Ewell	13.2	0.44	9.1	0.00	0.00	0.02	0.00	0.00	0.00	0.14	8.2	30.6
Leatherhead Urban District	13.02	0.55	10.28	0.04	0.00	0.00	0.00	0.00	0.00	0.00	8.82	47.1
Dorking & Horley Rural District	13.47	0.25	11.44	0.00	0.00	0.00	0.00	0.00	0.00	0.08	5.92	50.29

+The district death rates (all causes only) have been adjusted by an areal comparability factor to eliminate variations in rates due to difference in population constitution.

Table lV.

MATERNAL MORTALITY.

DISTRICT.	Rate per 1,000 total births.		
	Puerperal Sepsis	Other Puerperal Causes.	Total
England and Wales.	0.52	1.64	2.16
Dorking Urban District.	0.00	0.00	0.00
Borough of Epsom and Ewell.	0.00	0.00	0.00
Leatherhead Urban District.	0.00	0.00	0.00
Dorking & Horley Rural District.	0.00	0.00	0.00

DEATH RATES FROM TUBERCULOSIS.

DISTRICT.	Rate per 1,000 population.		
	Pulmonary Tuberculosis.	Non Pulmonary Tuberculosis.	All Forms.
England and Wales (Provisional)	0.66	0.13	0.79
Dorking Urban District.	0.29	0.10	0.39
Borough of Epsom and Ewell.	0.52	0.08	0.60
Leatherhead Urban District.	0.20	0.04	0.24
Dorking & Horley Rural District.	0.25	0.08	0.33

TABLE V.

Disease	Cases Notified.													Cases admitted to Isolation Hospital.	Deaths.
	Under 1	1 - 2	2 - 3	3 - 4	4 - 5	5 - 10	10 - 15	15 - 20	20 - 35	35 - 45	45 - 65	65 and over	At all ages		
Smallpox	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Scarlet Fever	-	2	-	1	1	6	1	3	1	-	1	-	16	16	-
Diphtheria	-	-	-	-	-	-	1	1	-	1	-	-	3	3	-
Pneumonia	1	1	-	-	1	3	-	-	2	1	6	3	18	-	-
Erysipelas	-	-	-	-	-	-	-	-	-	1	2	-	3	-	-
Dysentery	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Malaria	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Puerperal Pyrexia	-	-	-	-	-	-	-	1	3	1	-	-	5	-	-
Cerebrospinal Fever	-	-	-	1	-	-	1	-	1	-	-	-	3	2	-
Anterior Poliomyelitis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Measles	1	-	1	1	1	4	2	2	2	-	-	-	14	-	-
Whooping Cough	-	-	-	-	1	-	-	-	-	-	-	-	1	-	-
Ophthalmia Neonatorum	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Relapsing Fever	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Encephalitis Lethargica	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acute Polio-Encephalitis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Enteric Fever	-	-	-	-	-	-	-	-	2	-	-	-	2	2	-
	2	3	1	3	4	13	5	7	11	4	9	3	65	23	-

Table VI.

Comparative crude birth rates, death rates, analysis of mortality, maternal death rates and case rates for certain infectious diseases in the year 1940:-

	England and Wales.	126 County Boroughs and Great Towns including London.	148 Smaller Towns (Resident Populations 25,000 to 50,000 at 1931 Census)	London Administrative County.	URBAN DISTRICT OF DORKING
Births-	Rates per 1,000 Population.				
Live ..	14.6	16.0	15.7	13.7	12.91
Still ..	0.55	0.64	0.55	0.44	0.65
Deaths-					
All Causes..	14.3	15.8	12.8	17.8	13.65
Typhoid and Para typhoid Fevers	0.00	0.00	0.00	0.00	0.00
Smallpox ..	-	-	-	-	-
Measles ..	0.02	0.02	0.02	0.01	0.00
Scarlet Fever	0.00	0.00	0.00	0.00	0.00
Whooping Cough	0.02	0.02	0.02	0.00	0.00
Diphtheria ..	0.06	0.07	0.05	0.01	0.00
Influenza ..	0.32	0.29	0.30	0.18	0.59
Notifications-					
Cerebro Spinal Fever ..	0.32	0.33	0.29	0.28	0.15
Measles ..	10.24	1.23	9.99	1.78	0.68
Whooping Cough	1.34	1.29	1.35	0.22	0.05
Smallpox ..	0.00	0.00	0.00	0.00	-
Scarlet Fever	1.63	1.53	1.57	0.82	0.78
Diphtheria..	1.16	1.29	1.21	0.61	0.15
Enteric Fever	0.07	0.06	0.10	0.06	0.09
Erysipelas..	0.33	0.36	0.30	0.35	0.15
Pneumonia ..	1.20	1.37	1.00	0.87	0.88
	Rates per 1,000 Live Births.				
Deaths under 1 year of age	55	61	54	50	37.28
Deaths from Diarrhoea and Enteritis under 2 years of age	4.6	5.9	4.4	5.8	0.00
	Rates per 1,000 Total Births (i.e. Live and Still).				
Maternal Mortality-					
Puerperal Sepsis	0.52	Not available			0.00
Others ..	1.64				0.00
Total ..	2.16				0.00
Notifications-					
Puerperal Pyrexia.	11.96	13.90	9.73	13.34	16.13